



JACOB ROSE

Software Developer

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Erlangen, Germany

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SKILLS

Javascript: Experienced

Typescript: Intermediate

Angular: Intermediate

C: Intermediate

Python: Intermediate

Linux: Experienced

Bash: Beginner

Kotlin: Beginner

LANGUAGES

English: Native

German: C1

Spanish: B1

Italian: B1

EXPERIENCE

Software Developer | Insevis GmbH

Mar 2022 -

Erlangen, Germany

- Development of software relating to IoT devices, including web interfaces which interface with automation devices via various protocols eg. MQTT, S7, OPC UA

IT Assistant | Friedrich-Alexander University

Dec 2018 - Feb 2022

Erlangen, Germany

- Conducting maintenance on university network computers which run Ubuntu, using technologies such as Puppet, Wordpress and Zabbix.

EDUCATION

Msc. of Physics | Friedrich-Alexander University

Oct 2018 - Feb 2022

Erlangen, Germany

- GPA: 2.0 (German Grading Scale)

Bsc. of Physics | University of Houston

Sep 2015 - May 2018

Houston, USA

- GPA: 3.95 (American Grading Scale)

Master's Thesis:

Analysis of Black Hole Reflection Spectra with Generalized Corona Geometries

Supervisors: Dr. Joern Wilms & Dr. Thomas Dauser

Summary: Understanding the nature of black hole X-ray emission through the physical modeling of corona and their corresponding reflection from the accretion disc.

Bachelor's Thesis:

Properties of Strongly Interacting Matter

Supervisors: Dr. Claudia Ratti

Summary: Investigation of the properties of strongly interacting matter and analysis of its behavior in the region of transition from a hadronic gas into Quark-Gluon plasma.

PUBLICATIONS

Building a testable shear viscosity across the QCD phase diagram

Publication: Physical Review C

Authors: Emma McLaughlin, Jacob Rose, Travis Dore, Paolo Parotto, Claudia Ratti, and Jacquelyn Noronha-Hostler

DOI: 10.1103/PhysRevC.105.024903